

January 2, 2018



Utility Division

Nathan W. Coey
Utility Director

2018 Water Meter Pit Installation Specifications

Dear Installer,

Please allow this letter to serve as formal notice regarding residential water service pit specifications. It is in the best interest of the installer to provide the meter pit material as a part of their purchasing and installation process to better stream line the end product to the builder and resident. The Utility Department will continue to provide the meter and remote reading device for installation in the pit as part of the capacity fee structure. It will continue to be the responsibility of the contractor to install the pit and lid to an elevation conducive for finished grade. Stone or gravel (#57) will be required to bed the pit and curb stop to aid in elevation adjustments.

Approved Thermal-Coil type meter pits can be provided from the following vendors:

Core and Main (Formerly HD Supply) (P) 614-475-4376 or 614-348-5742

- 5/8 x 3/4 Mueller Thermal Coil Meter Pit **203CS1848FVBSN**
 - The above pits are pre-fabricated and ready for installation at the site.
- 18" Lid **311955TR2** (Lid must have touch pad hole)
- 2 compression fittings **74754T**
- 1" meter pits are available based on capacity fees

Ferguson Waterworks (P) 614-497-2323 or 740-981-6769

- 5/8 x 3/4 Mueller Thermal Coil Meter Pit **203CS1548FSBSN**
 - The above pits are pre-fabricated and ready for installation at the site.
- 15" Lid **780112** (Lid must have touch pad hole)
- 2 Compression **FC14-33-QNL**
- 1" meter pits are available based on capacity fees

Specification sheets are attached to this document as provided by the approved vendors.

MUELLER®/HUNT Thermal-Coil™ Meter Box

Prevents water meter freezing and allows full meter access—
the better alternative to basement setters in extreme climates
No solder connections

The Mueller/Hunt Thermal-Coil Meter Box makes it possible to read and maintain the meter even though it is set deep in the ground to resist freezing. In the Thermal-Coil Box, the meter is mounted on a platform that normally sits near the bottom of the box where the air is warmer. It can be easily raised to the surface. Coils of polybutylene pipe connect the meter to the service line and allow the platform to be raised.

For extremely cold climates, an optional closed cell insulating pad is available which traps the relatively warm air rising from the earth, keeping the air around the meter above freezing. The insulating property of the PVC box is higher than most other materials so frost bridging is also eliminated below the pad.

The best meter environment is in a Thermal-Coil Box

- Tough, rigid .30" minimum PVC shell maintains setter alignment during backfilling—thicker in larger diameter—resists frost bridging—white color reflects light and aids interior visibility
- Supports at top of box hold platform in raised position for maintenance
- Platform supported above bottom away from possible debris—support also reinforces shell
- No solder connections



Patented

Options to fit every application

- Round locking cast iron lid cannot fall in and damage meter
- 30" to 96" depths
- 15" diameter for single or tandem meter (Regulator not included)
- 18" diameter for single or tandem 1" meter; double 5/8", 5/8" x 3/4" and 3/4" meters
- Aluminum bottom—excludes debris and vermin
- Inlet angle meter valve with lockwing
- Meter outlet choices include angle meter valve with lockwing, quarter bend coupling or dual angle check valve
- Provision for remote reader cable
- Closed cell insulating pad
- Shell extension – 2" to 12" in 1" increments

Shells available – notched or plain

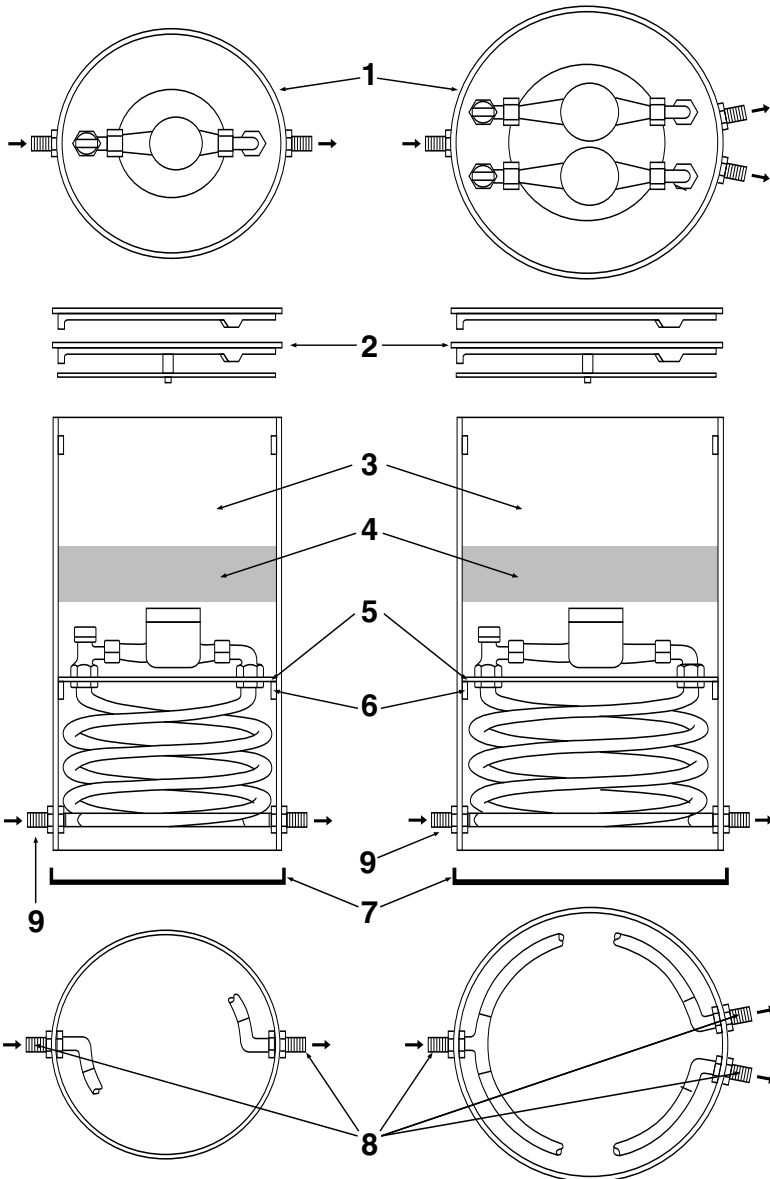
- 15" diameter, 12" to 60" depths
- 18" diameter, 12" to 60" depths
- 21" diameter, 18" to 60" depths
- 24" diameter, 18" to 60" depths
- 27" diameter, 18" to 60" depths

Mueller/Hunt Thermal-Coil Meter Boxes are shipped fully assembled, ready for meter installation. Their lighter weight saves shipping costs and makes installation a one-person job in most cases.

Mueller®/Hunt Thermal-Coil™ Meter Box

Features

1. Rigid .30" minimum PVC material holds shape, resists frost bridging
2. Round cast iron lids are available in various sizes and options
3. White color interior aids visibility
4. Closed cell insulating pad optional
5. Setter anchored to movable platform, holds meter alignment
6. Platform support and reinforcing ring for rigidity
7. Aluminum bottom optional
8. Male I.P. inlet and outlet connections will accept a variety of Mueller service line fittings
9. Inlet marked on exterior for easy identification



15" diameter Thermal-Coil Meter Box for single or tandem 5/8", 5/8" x 3/4" and 3/4" meter. Regulator not included.

18" diameter Thermal-Coil Meter Box for single or tandem 1" meter; double 5/8", 5/8" x 3/4" and 3/4" meters. Regulator not included.

Mueller Co.

Main Office — Decatur, IL
Water Division: 800-423-1323

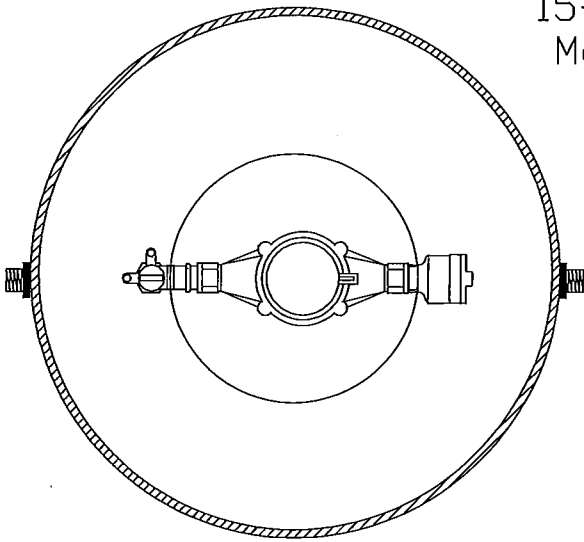
www.muellercompany.com

Canada — Mueller Canada Inc., Barrie, Ontario 705-719-9965

All products must be installed and maintained in accordance with applicable instructions and/or standards.

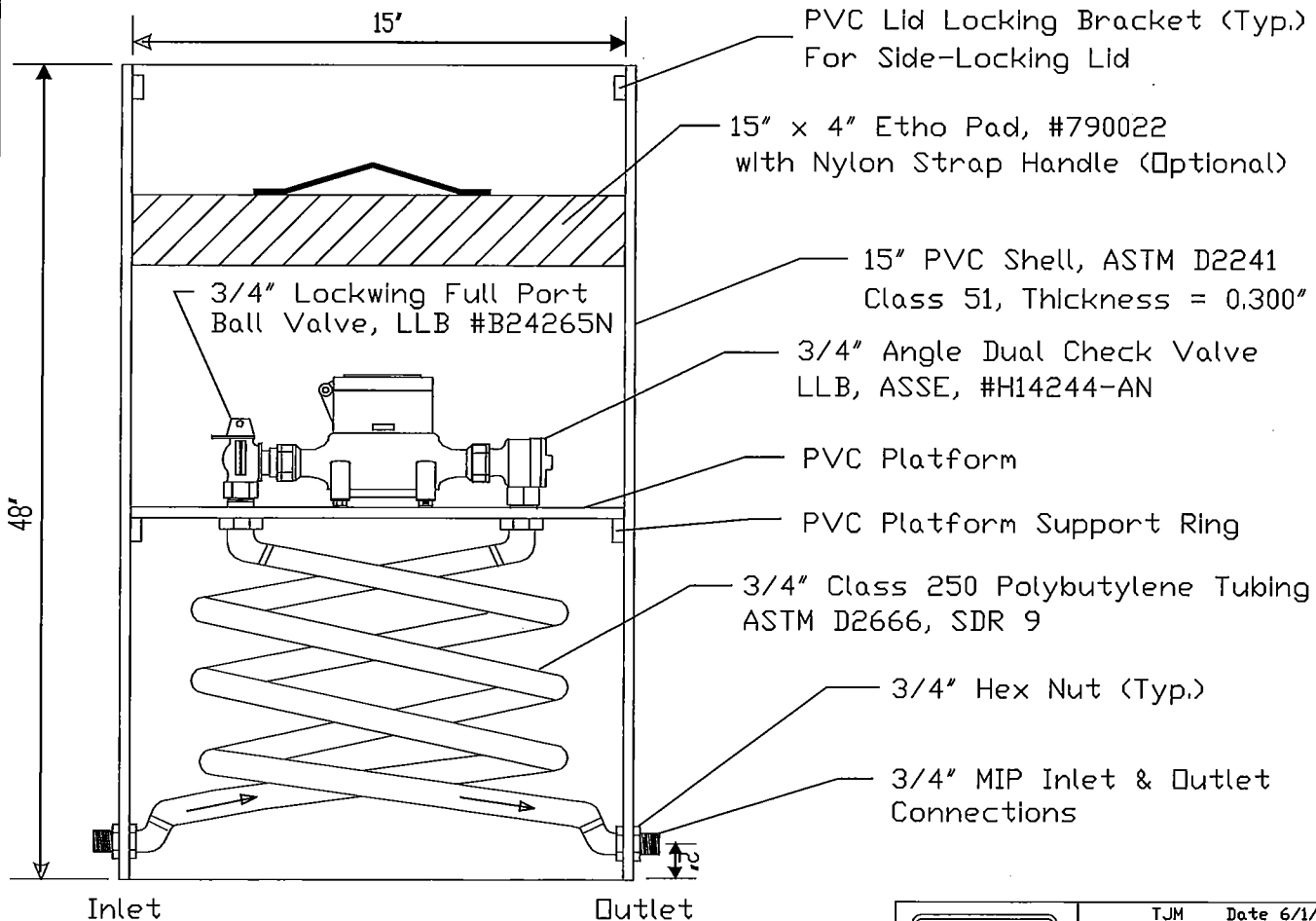
MUELLER CO.

15-Inch Low-Lead Single Coil
Meter Pit for 5/8-Inch Meter
#200CS1548FSBSN
(Meter Not Included)



15" Side Locking Lid (Optional)

Pit
203CS1548FSBSN
Lid
780112



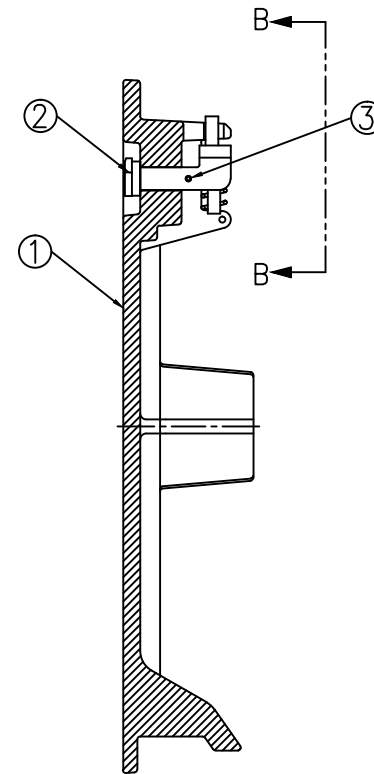
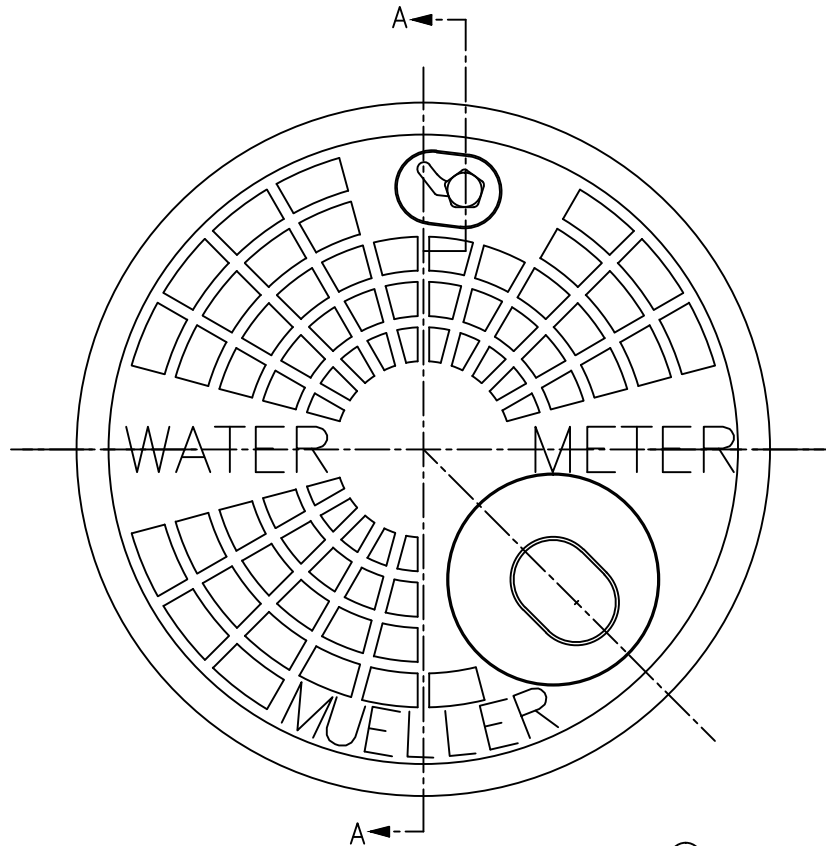
TJM Date 6/1/15

#200CS1548FSBSN

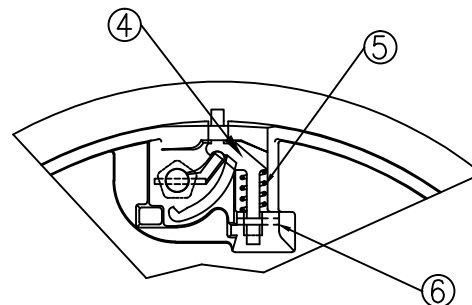
ITEM	DESCRIPTION	PART NO	REQ'D
1	LID	700177	1
2	PENTAGON KEY	146323	1
3	PENTAGON KEY PIN	146324	1
4	LID LATCH	146306-1	1
5	LID LATCH SPRING	508558	1
6	LID LATCH RIVET	790146	1

DWG. NO. 780112

REV.	DESCRIPTION	REF.	DRFTN	CHKR	APP	DATE
A	REDRAWN IN CAD	E.O. 2133	MWS	CJD	JMG	10-18-04
B	RECESS MODIFIED	E.O. 2195	SMC	CJD	JMG	9-29-05



SECTION A-A

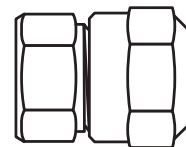


VIEW B-B

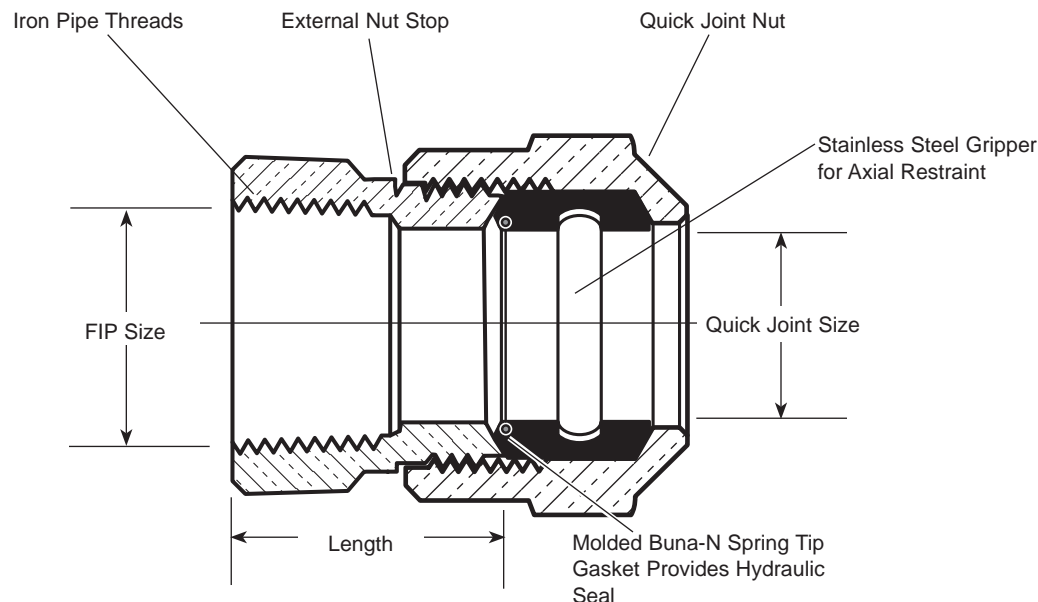
A/C (MILLIMETER)			TOLERANCES - MACHINING			THIRD ANGLE PROJECTION	
INCH			UNLESS OTHERWISE NOTED				
INITIAL RELEASE			BREAK EDGES			PUNCH	
DRFTN MWS 10-18-04			MACH. .006/.016			FINISH	
CHKR CJD 10-18-04			FINISH SURFACES			REF. NO.	
APP JMG 10-18-04			FRACTIONS			SCALE	
E.O. NUMBER 2133			2 PL ±.025			1:2	
			3 PL ±.010			STK. NO.	
			ANGLES ±1°				
Mueller Co.			MAT'L. DESCR.			REVISION	
			15" METER BOX LID			780112	
			WITH PENTAGON KEY			B	
						SHEET 1 OF 1	

SUBMITTAL INFORMATION

Quick Joint Coupling - (C14-xx-Q-NL style)



FEMALE IRON PIPE THREAD BY QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



DESCRIPTION		LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
FEMALE IRON PIPE	Q.J. FOR CTS				
1/2"	1/2"	1-9/16"	0.4	C14-11-Q-NL	
3/4"	3/4"	1-1/4"	0.6	C14-33-Q-NL	
3/4"	1"	1-3/4"	0.9	C14-34-Q-NL	
1"	3/4"	1-3/4"	0.7	C14-43-Q-NL	
1"	1"	2-1/8"	0.9	C14-44-Q-NL	
1-1/4"	1-1/4"	2-3/16"	1.5	* PJA4-45-C14-55-Q-NL	
1-1/2"	1-1/2"	2-7/16"	2.3	C14-66-Q-NL	
2"	2"	2-5/8"	2.8	C14-77-Q-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing

* 1-1/4" Quick Joint has EPDM spring tip gasket

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Sleeve design provides hexagonal wrench flats for proper installation

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.

P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

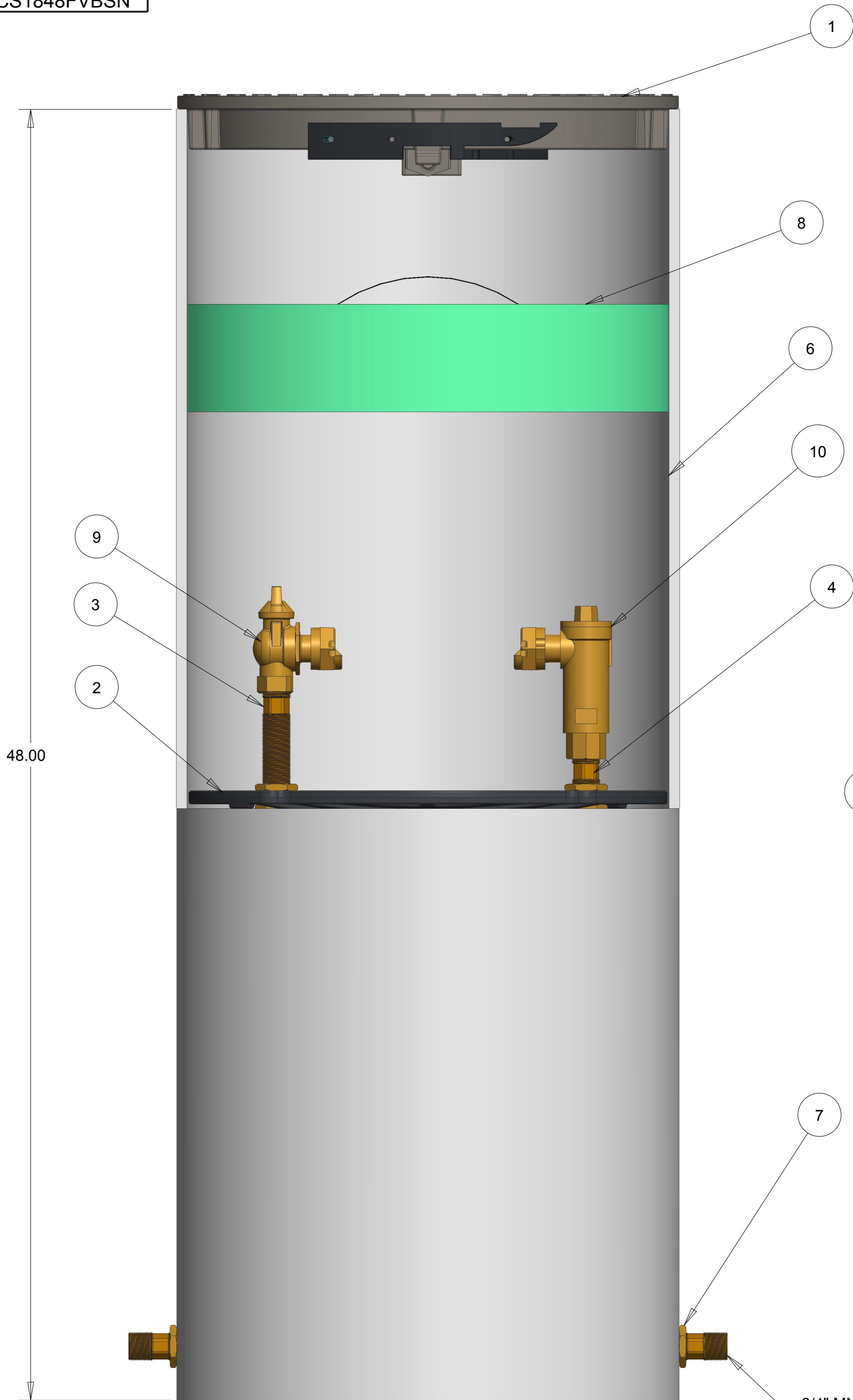
Overseas Fax: 260-563-0167

www.fordmeterbox.com

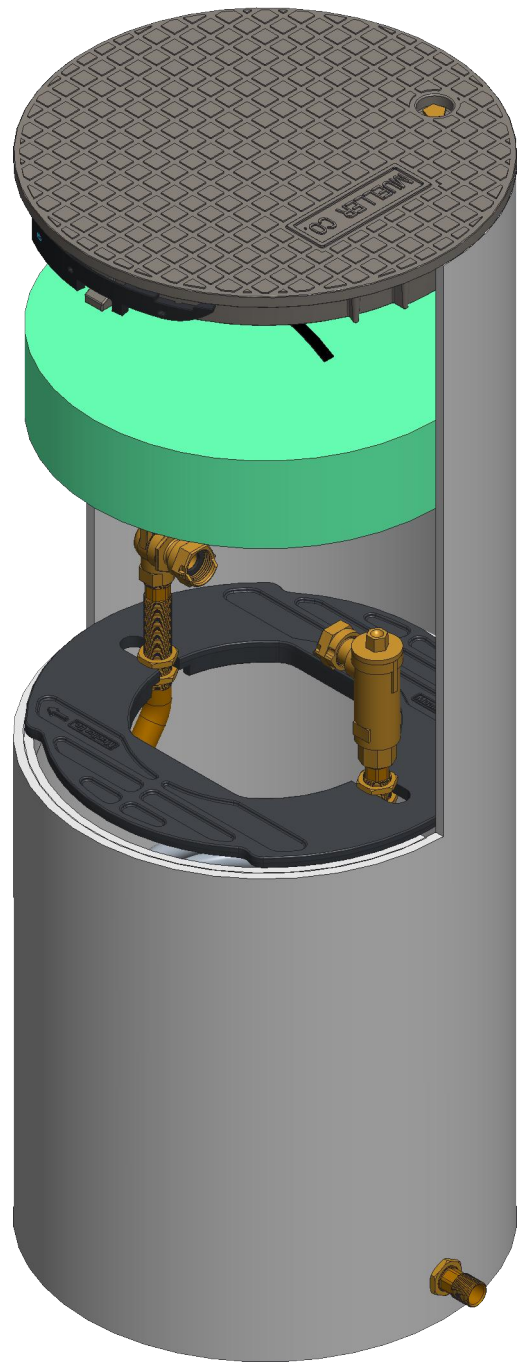
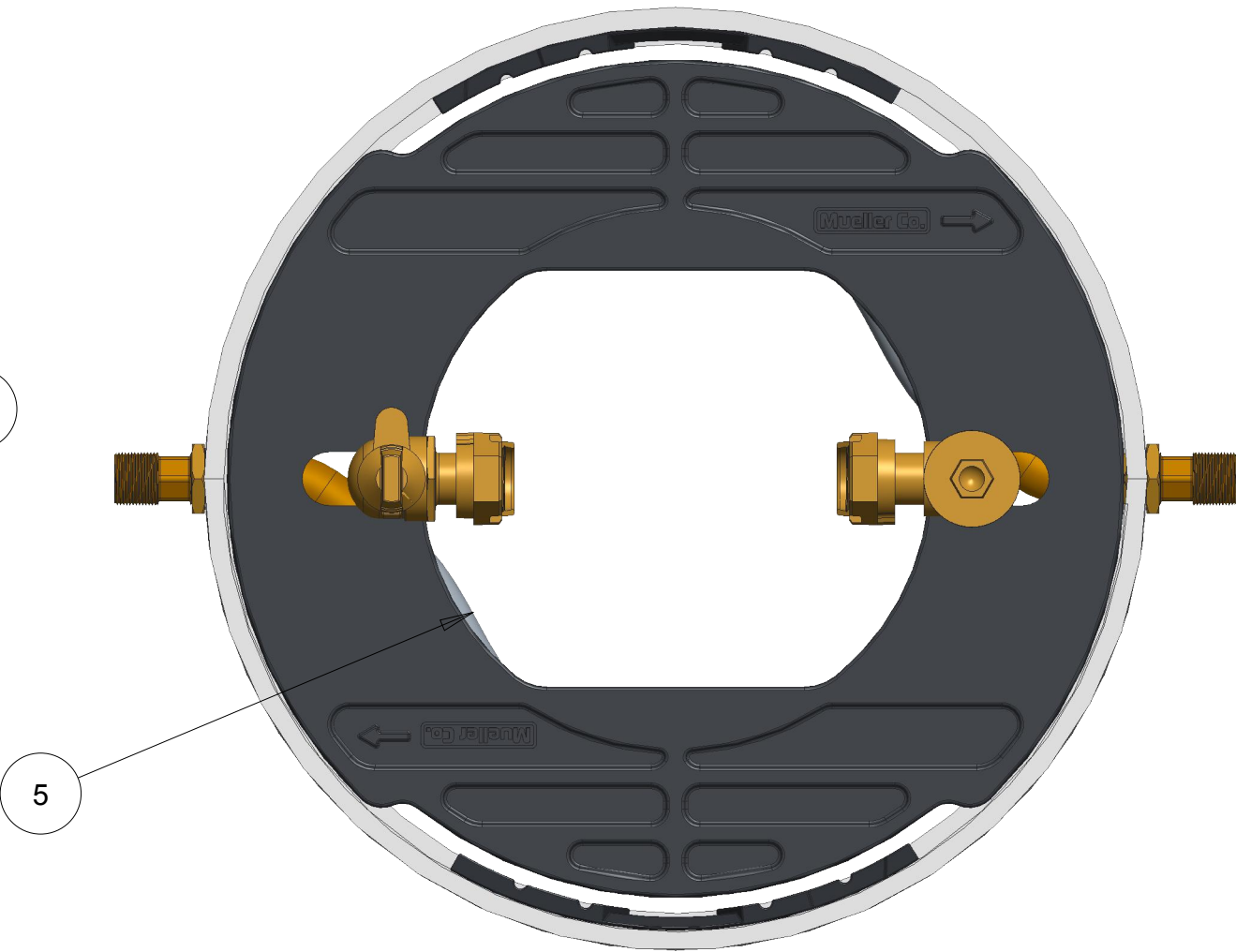
05/09/16

Submitted By:

203CS1848FVBSN



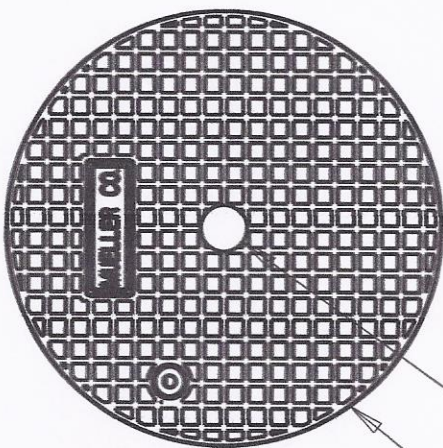
ITEM NO	PART NUMBER	QTY	DESCRIPTION
1	311955	1	18" DIA SIDE LOCKING COMPOSITE LID (SOLD SEPARATELY)
2	311981	1	ABS PLATFORM 18-40
3	700013-LT	1	3/4" HOSE CONNECTOR
4	700013_REVE	3	3/4" HOSE CONNECTOR
5	700035-1548	2	3/4" COIL PART
6	780021-1848	1	SHELL SUB ASSEMBLY
7	790006	8	3/4" HEX NUT
8	790153	1	18" INSULATION PAD (SOLD SEPARATELY)
9	215B24265N	1	5/8" X 3/4" FULL PORT BALL VALVE
10	215H14460AN	1	5/8" X 3/4" VERTICAL ASSE APPROVED CHECK VALVE



3/4" MNPT THREADS
INLET & OUTLET

DR. BY	BBF	12/21/17	UNLESS OTHERWISE NOTED		THIRD ANGLE PROJECTION		C.B. NO.
CHKR			BREAK CAST CORNER(S)---				PATT. NO.
ENGR			BREAK MACH CORNER(S)---				
MGR			TOLERANCES		PURCH.	FINISH	
MFG			UNLESS OTHERWISE NOTED		REF. NO.	SCALE	
TOOL			LINEAR	ANGULAR	STK. NO.		
FDRY			±	±			
MAT'L:							
<div>Mueller Co.</div>			DESCR. 5/8"X3/4" COIL SINGLE METER PIT 18" DIA X 48" DEPTH LOW LEAD BRASS			NUMBER 203CS1848FVBSN	

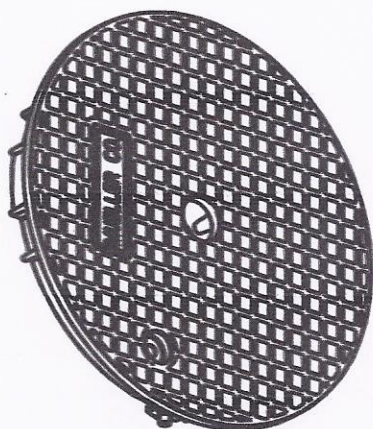
311955TR2





Ø 2.00 THRU ALL
18" Ø



2.00



DR. BY	DLG	05/13/15	UNLESS OTHERWISE NOTED		THIRD ANGLE PROJECTION		C.B. NO.				
CHKR			BREAK CAST CORNER(S)---			PURCH.	FINISH	PATT. NO.			
ENGR			BREAK MACH CORNER(S)---								
MGR			TOLERANCES UNLESS OTHERWISE NOTED			REF. NO.	SCALE				
MFG											
TOOL											
FDRY			LINEAR	ANGULAR					STK. NO.		
MATT:											

Mueller Co

DESCR. 18" SIDE LOCK COMPOSITE LTD
TOUCH READ HOLE DRILLED

NUMBER
311955TR2